



George C. Marshall Space Flight Center  
Marshall Space Flight Center, Alabama 35812

ED27-CDL-FOP-007  
BASELINE  
JULY 29, 1999

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**FACILITY OPERATING PROCEDURE**

**ED27 / STRUCTURAL AND DYNAMICS  
TESTING GROUP**

**RESPONSE LIMITING  
SYSTEM CABLING  
SCHEMATIC**

**CHECK THE MASTER LIST—  
VERIFY THAT THIS IS THE CORRECT VERSION BEFORE USE**

ED27 / Structural and Dynamics Testing Group		
RESPONSE LIMITING SYSTEM CABLING SCHEMATIC	ED27-CDL-FOP-007	Revision: Baseline
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## DOCUMENT HISTORY LOG

Status (Baseline/ Revision/ Canceled)	Document Revision	Effective Date	Description
Baseline		07/29/99	Document converted from ED73-CDL-FOP-007. Changes made to document are organizational and reference document numbers.

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## 1. INTRODUCTION

1.1 Scope. This procedure defines the cabling required for Modal Surveys using the Response Limiting Control Instrument, Keithley 500A, Hewlett Packard Mod #3562, Hewlett Packard Mod #3566 and/or Hewlett Packard Mod #35655 and Mod#9000 Computer.

1.2 Purpose. This procedure defines the system to fulfill the requirements of ED27-OWI-M&V-002 "Quality Records Control".

1.3 Applicability. This procedure applies to Modal Surveys using the Response Limiting Control Instrument, Keithley 500A , Hewlett Packard Mod #3562 and/or Hewlett Packard Mod #35655 and Mod#9000 Computer.

## 2. REFERENCE DOCUMENTS

ED27-OWI-M&V-002 "Quality Records Control"

ED27-EMA-FOP-008 "Cabling Schematics for Hewlett Packard 9000 Computers with Hewlett Packard 3565 Measurement Hardware for Modal Surveys"

ED27-CDL-FOP-004 "Cabling Schematic for the Keithley 500A Data Acquisition System using the AMM2 and AIM3A Interface Cards"

Associated Equipment Manuals

Keithley DAC 500-Series Measurement and Control Systems Manual

Keithley ASYST VIEWDAC Reference Manual

## 3. DEFINITIONS

3.1 AMM2 The AMM2 is the Master Analog Measurement Module which functions as a standard analog input module, selects and conditions analog signals from other analog input modules, and serves as a 16-bit A/D converter for all input channels. The AMM2 can accept 16 single-ended or 8 differential analog inputs.

3.2 AIM3A The AIM3A is a Analog Input Module which accepts 32 single-ended or 16 differential analog inputs.

3.3 AOM1 The AOM1 is a Analog Output Module which provides 5 channels of high-speed analog output. Each channel has an independent D/A converter.

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4. INSTRUCTIONS Follow the cabling schematic on the page titled Response Limiting System Cabling Schematic.

#### 5. QUALITY RECORDS

No Quality Records Required.

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# **RESPONSE LIMITING SYSTEM** **CABLING AND SCHEMATIC**

